

19990101.ba v02\_n360.bam.990101 v02\_n361.bam.990101

>From ???@??? Fri Jan 01 05:20:29 1999  
Message-Id: <199901010600.AAA00268@sco.theporch.com>  
Date: Fri, 1 Jan 1999 00:00:21 CST  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 2360

BOATANCHORS Digest 2360

Topics covered in this issue include:

- 1) Re: Another strange tube  
by Al Klase <skywaves@bw.webex.net>
- 2) Re: broadcast microphone connectors  
by "Kenneth J. Lopez" <kjlopez@earthlink.net>
- 3) Happy New Year - CU on SKN CW!  
by "Christopher A. Bowne" <radiobwn@ricconnect.com>
- 4) Re: Another strange tube -- and SKN  
by hikrbikr@erols.com

-----  
Message-ID: <368C59B4.5C0F76A3@bw.webex.net>  
Date: Fri, 01 Jan 1999 00:14:28 -0500  
From: Al Klase <skywaves@bw.webex.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Another strange tube  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Supposed to be a premium 6J6 duotriode. A "thermocouple vacuum gauge tube" may share this number.

Nappy Hew Year,  
Al

hikrbikr@erols.com wrote:

>  
> Ahoy! A friend near here has several tubes marked 6535. Couldn't find  
> them on the web. Does anybody know what they might be equivalent or  
> similar to?  
>  
> 73 and Happy New Year!  
> Mike Steussy AE4R  
> Vienna VA

--

Al Klase - N3FRQ  
skywaves@bw.webex.net  
Flemington, NJ 08822  
Web Page: <http://www.webex.net/~skywaves/home.htm>

-----  
Message-ID: <368C5B36.15441AA6@earthlink.net>  
Date: Thu, 31 Dec 1998 21:20:55 -0800  
From: "Kenneth J. Lopez" <kjlopez@earthlink.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: broadcast microphone connectors  
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"  
Content-Transfer-Encoding: 7bit

Richard Loken wrote:> otherwise they'd burn up in their intended use!)

>  
> I never worked in a station that used Hubbel twistlocks for their microphones  
> but when I left CKY TV in  
> 1976 the guys gave me a straight AC three prong plug to XLR adaptor cable  
> made with genuine rubber microphone cable (male XLR of course to make it extra  
> dangerous).

A few years ago some enterprising young fellow decided that this was the answer to readily available speaker cables for sound reinforcement. So, at the Audio Engineering Society trade show, he marketed AC extension cords for such a purpose, with an "adaptor" from three prong uground to either 1/4" phone, XLR, or the plug of your choosing. When it was pointed out that this was a potential hazard he had a profoundly blank stare...

Ken N6TZV

-----  
Message-ID: <01BE351C.C6BEC4E0@mys16.riconnect.com>  
From: "Christopher A. Bowne" <radiobwn@riconnect.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Happy New Year - CU on SKN CW!  
Date: Fri, 1 Jan 1999 00:22:08 -0500

Happy new year to all of you on the BA list - see you later on after the party winds down on 80 and 40 SKN CW with the BC-191/BD-77 and other rigs

from the collection. Its a great night for radio!

73,

Chris Bowne, AJ1G  
Stonington, CT  
radiobwn@ricconnect.com  
AMI No. 211

-----  
From: hikrbikr@erols.com  
Message-ID: <368C1DF5.31A3@erols.com>  
Date: Fri, 01 Jan 1999 00:59:33 +0000  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Another strange tube -- and SKN  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Ahoy and Happy New Year! So far, I've received two responses to my question about the 6535 tube. Ed Tanton wrote:

> ...my tube book says it is equal to: ECC91, M8091, or T2M05.  
> Don't know about the last two, but the ECC91 ought to reference to  
> something.

I checked the UK equivalent list (downloaded from Jerry Proc's archive) and ECC91 equates to 6J6.

Al Klase N3FRQ wrote:

> Supposed to be a premium 6J6 duotriode. A "thermocouple vacuum gauge  
> tube" may share this number.

So I guess my friend has some 6J6s there. I looked up the 6J6 on the web at the NJ7P tube data site.

<http://hereford.ampr.org/cgi-bin/tube?tube=6J6&bg=>

It's a miniature type medium mu twin triode used as an rf power amplifier and oscillator or as an af amplifier. With a push-pull arrangement of the grids and with the plates in parallel, it is also used as a mixer at frequencies as high as 600 MHz. Requires miniature 7-contact socket and may be mounted in any position. Sounds kinda like the 7F8 used in the SX-42, SX-43 and SX-62A.

BTW, had some success on the air during Straight Key Night. Made three contacts on 40M using the old Viking Ranger and NC-303: Oklahoma City,

France near Toulon, and Austin. Last station (AC5AA) reported slight chirp on the Ranger (comments welcome). He was using Drake Twins, R-4 and T-4X, and sounded great. Heard one guy telling another he was using a toilet seat with contacts as his straight key, a first in my almost 40 years as an amateur.

73,  
Mike Steussy AE4R  
Vienna VA

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End of BOATANCHORS Digest 2360  
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>From ???@??? Sat Jan 02 00:11:30 1999  
Message-Id: <199901012351.RAA04465@sco.theporch.com>  
Date: Fri, 1 Jan 1999 17:50:13 CST  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 2361

BOATANCHORS Digest 2361

Topics covered in this issue include:

- 1) Re: Steam Whistles  
by jackiv@juno.com (John M Iverson)
- 2) Re: Spaghetti  
by Brian Bjerkelund <brianbj@compuserve.com>
- 3) Re: Another strange tube -- and SKN  
by "Kenneth J. Lopez" <kjlopez@earthlink.net>
- 4) Re: Steam Whistles  
by N5CM@aol.com
- 5) BA mike thread & TV BA shots  
by "Paul Bernhard Sr." <w2tu@email.msn.com>
- 6) ADMINISTRIVIA: Buying and Selling Guidelines  
by listown@jackatak.theporch.com (Mail List Owner)
- 7) Meissner Signal Splitter  
by rwayne@CTC.Net
- 8) Filter cap selection  
by gpewitt@execpc.com
- 9) Re: 6106, 5Y3WGTB Tubes  
by "Arden Allen" <gumbear@pacbell.net>
- 10) Additional Ranger questions  
by Bob Roehrig <broehrig@admin.aurora.edu>
- 11) Re: 6106, 5Y3WGTB Tubes

- by John Shriver <jas@shiva.com>
- 12) Re: Filter cap selection  
by "Arden Allen" <gumbear@pacbell.net>
  - 13) Re: GB> transformer (etc.) winding question  
by John Kolb <jlkolb@cts.com>
  - 14) Two Questions  
by Jderm740@aol.com
  - 15) Re: BC-311 found at FAIR RADIO  
by Kargokult@aol.com
  - 16) Re: Two Questions  
by "E. V. Sandy Blaize" <ebjr@worldnet.att.net>
  - 17) re: unk Mil connectors  
by Kargokult@aol.com
  - 18) Re: Another strange key-- and SKN  
by Kargokult@aol.com
  - 19) Re: Dating mic connectors (probably illegal!)  
by ke8rn@juno.com (GEORGE J MISIC)
  - 20) HAMMARLUND HX-50  
by ke8rn@juno.com (GEORGE J MISIC)
  - 21) FS: 300 Tubes, 16 cents each.  
by David Stinson <arc5@ix.netcom.com>
  - 22) Mail Order Business  
by Jim Hill <jshillw6ivw@earthlink.net>
  - 23) Re: 6106, 5Y3WGTB Tubes  
by David Stinson <arc5@ix.netcom.com>
  - 24) Re: BC-311 found at FAIR RADIO  
by Andre Guibert <aguibert@sympatico.ca>

-----  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: boatanchors@theporch.com  
Date: Fri, 1 Jan 1999 00:08:46 CST  
Subject: Re: Steam Whistles  
Message-ID: <19990101.001013.7046.5.jackiv@juno.com>  
From: jackiv@juno.com (John M Iverson)

Barry you are a devil        jack  
Jack Iverson        KOEWU        jackiv@juno.com

On Fri, 1 Jan 1999 00:00:19 -0500 "Barry L. Ornitz" <ornitz@tricon.net>  
writes:

>It being New Year's Eve and all, I was going to try out a pair of  
>brass  
>steam whistles given to me by my late father-in-law last summer. He  
>rescued them from an old sawmill that was torn down years ago. He  
>said  
>they had awakened him as a boy and he wanted someone to keep them and  
>enjoy

>them. Unfortunately I need much larger pipe connections to my  
>compressor  
>than I have on hand to blow them this evening - and my compressor may  
>not  
>be big enough to blow them for more than a few seconds anyway. These  
>things are BIG. I appreciate the fact that he entrusted them to me  
>rather  
>than his son who never seemed to have an interest in the "junk" kept  
>by his  
>dad. To me, many pieces of this "junk" were mechanical marvels kept  
>by his  
>dad that hearkened to days of simpler technologies.  
>I may not get to blow them this New Year's Eve, but they WILL be blown  
>for  
>the millenium if I am still around!  
>  
>I am posting this to Boatanchors both as a remembrance to Ralph  
>Becknell  
>and as an example of a pre-radio signaling system. Before I close,  
>let me  
>share this 83 year old youngster's suggestions on how to properly blow  
>the  
>whistles.  
>  
>First, you wait until 3 AM and all the neighbors are in bed. Leaving  
>the  
>lights off, you sneak down to the basement and turn on the compressor  
>until  
>it has reached a good head. Then you turn it off and attach the hose  
>to  
>the whistles. Carry them outdoors through the back door - again with  
>no  
>lights.  
>Blow them for no more than 10 seconds. Carry them in and run up the  
>stairs  
>turning on all the house lights. Run out into the street and yell  
>"What  
>the heck was that noise?" when the neighbors also turn on their  
>lights.  
>Deny any knowledge of what happened...  
>  
>May everyone on Boatanchors, their families and friends, all have a  
>Happy  
>and Healthy New Year.  
>  
>73, Barry WA4VZQ ornitz@tricon.net  
>  
>

-----  
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Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Fri, 1 Jan 1999 02:14:19 -0500  
From: Brian Bjerkelund <brianbj@compuserve.com>  
Subject: Re: Spaghetti  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <199901010214\_MC2-6539-4172@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline

Howdy Gang:

Perhaps I'm fortunate to live within a short commute to Frye's, an electronics retailer who sells everything from big-screen tv's to 450v electrolytics. They are a chain store with parent company in California = (I think).

At any rate, they have not only shrink tubing but real teflon spaghetti in various sizes and in small quantities. I'll try to get by there over the next few days to find out more info.....

Hope this helps(at least for those of us on the West Coast)

Brian, K7AIS

-----  
Message-ID: <368C87F2.EB6B4B1B@earthlink.net>  
Date: Fri, 01 Jan 1999 00:31:51 -0800  
From: "Kenneth J. Lopez" <kjlopez@earthlink.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Another strange tube -- and SKN  
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"  
Content-Transfer-Encoding: 7bit

hikrbikr@erols.com wrote:

>  
> BTW, had some success on the air during Straight Key Night.  
  
> Heard one guy telling another he was using  
> a toilet seat with contacts as his straight key, a first in my almost 40  
> years as an amateur.  
>

You don't suppose he was sending ass-key? No, I didn't think so...

-----  
From: N5CM@aol.com  
Message-ID: <b78719f8.368cd9f3@aol.com>  
Date: Fri, 1 Jan 1999 09:21:39 EST  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: boatanchors@theporch.com  
Mime-Version: 1.0  
Subject: Re: Steam Whistles  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Hi Barry & Gang,

Glad you're not in my neighborhood!

Does anyone have the "formula" for making air whistles? How about specs for making small whistles, even using bamboo cane? I never could get it right with bamboo. What's the secret?

Many, many years ago, there was a "horn" available for automobiles that operated from a vacuum line (from the carburetor). It had a wild sound. It had a vacuum tank so you could blow it when the engine was not running, a few blasts but not many until no more vacuum.

Anyone have the dimensions, say for metal pipe and/or bamboo??

Thanks, Ken....N5CM....

-----  
Message-ID: <000701be3597\$43e27140\$1c5a2299@default>  
From: "Paul Bernhard Sr." <w2tu@email.msn.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BA mike thread & TV BA shots  
Date: Fri, 1 Jan 1999 09:58:52 -0500



Happy New Year all;

I was watching the "Big Band New Year" show from Cincinnati last evening when the Broadcast Mike thread came alive. Patt Page was using one of those huge RCA jobs for her solos. Brought back memories. At the other end of the spectrum, the clarinetist had a tiny mike on a gooseneck attached to his horn and suspended above the keys. Fantastic. As a pro musician back in the 40's and 50's we had to deal with the large fixed mikes and you learned very early to play the mke like a keyboard! Contrary to popular thoinking the sound on a clainet and similiar instruments doesn't come out of the end but from the key holes as you change the sound column length. To get proper response you had to position yourself at the best spot. (We didn't have the benefit of the sound guy with enhancers, compressors, equalizers, etc. What you put in came out!)

Hams (especially BA'rs with high quality AM audio) should be as concerned with the front end of their rigs as with the final plate current. A qrp'er with nice, crisp audio will almost always get more qso's than a over-compressed, distorted KW!

Also, The other night on the history channel I was watching "The man that never was" and there where beautiful shots of BA gear in listening posts. A row of HRO's and a closeup that would let you read the coil set nameplate!

Wow! I've been watching too much TV I think I'll get out the horn and practice. (I serenade my BA equipment, hi!)

Paul B. W2TU

w2tu@email.msn.com

<http://www.geocities.com/~dd537>

-----  
Message-Id: <199901011715.LAA14897@jackatak.theporch.com>  
From: listown@jackatak.theporch.com (Mail List Owner)  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: ADMINISTRIVIA: Buying and Selling Guidelines  
Date: Fri, 1 Jan 99 11:15:01 CST

Gang-

This periodic posting is intended as a gentle nudge and suggestion which should improve the quality of posts to the BoatAnchors list, and maintain our excellent (and high) signal to noise ratio...

The list culture has developed to include "for sale" and "wanted" posts. Originally, all buying and selling traffic was focused on finding parts to complete a restoration. As the list has evolved,

there has been an increase in buying and selling activity, which may not be all bad.

There is, however, a real need to observe certain conventions, lest this otherwise benign activity turn into a real disturbance to the real purpose of the list: discussions of radio equipment using vacuum tubes, including the life and times of the designers and users of such gear.

Please observe these guidelines:

There is never a reason for an auction post or update on the Boatanchors List... comments about gear at auction elsewhere are noise, and those who would care already visit the auction sites, and those who do not frequent the auctions do not want to hear about it... simple policy

- 1) LIMIT the frequency of for sale postings... once a month is a good starting point
- 2) DO NOT post endless "xxx is sold" to the entire list... you offered it for sale, and it is not considerate of list resources (which include the time and energy of the other list members) to burden the list with these senseless notices. Use direct email to those who responded, or, if you don't want to answer them personally, just don't use the list to advertise them for sale!
- 3) AVOID even the mere faint appearance that you are posting items for sale as a regular adjunct to your business dealings. This has become more of a problem lately with some long lists showing up regularly on the main list, or with dealers who appear to be using the list for their personal advertising advantage. Failure to observe these basics \*will\* result in banishment from the list -- just don't do it! When even a shadow of doubt creeps in, read the "Welcome" message again... it spells it out!
- 4) DO be considerate of those on the list in your for sale or wanted postings. Keep them short, infrequent, and ONLY include items specifically appropriate to the list -- NO solid state gear is obvious, but try to avoid pushing the envelope in any area.
- 5) LONG lists and estate offerings should be sent to me at:  
listown@jackatak.theporch.com  
so they may be uploaded to the archives for email, web, or ftp retrieval.
- 6) We now have a web page up. Go to:  
<http://www.theporch.com>  
and follow the "ListProc Web Interface" Link to get registered

and use the web interface, which allows searching of previous articles and the archived text files.

Thanks for your understanding and help in making the boatanchors list have the highest signal to noise on the InterNet.

--

73

Jack, W4KH/Mobile - - - BoatAnchor Mailing List Owner - - -  
listown@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"  
"Il n'y a que les idiots qui ne changent jamais d'idee"  
Fri Jan 1 11:15:00 CST 1999

-----  
From: rwayne@CTC.Net  
Date: Fri, 01 Jan 1999 13:12:47 -0800  
Subject: Meissner Signal Splitter  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-id: <368D3A4F.4068@ctc.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Happy new year to all 'anchorites.

I have a Meissner Signal Splitter Model 9-1022. I would appreciate information about its function and age. The box has a handwritten date of 1942. The unit is a black wrinkle 2" square box about 7" long. Two 4-pin plug in coils are located on the top. Two rather heavy duty binding posts on each end. Two tuning (?) controls located on one side.

Thanks for your help.

73,  
Richard W4LN

-----  
From: gpewitt@execpc.com  
Date: Fri, 1 Jan 99 12:35:54 PST  
Subject: Filter cap selection  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <Chameleon.990101125505.gpewitt@execpc.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang, while looking through the DigiKey catalog for caps to use in repairing a couple of old receivers for a friend (Atwater Kent 55C and Philco 40-180) I saw most of the caps

were rated for DC working voltage. Since I don't know the voltage ratings on the original caps I just picked 400v caps as close to the original capacity rating as possible. Usually a bit higher if I couldn't get the exact value. What concerns me is the power supply filter caps. The AK does not seem to use electrolytic caps, at least there is nothing to indicate that it does in the Ryder sheets. I've seen references on the list about ratings for AC. Do the power supply caps (2.0, 2.3, and 2.3 mfd) need to be selected for AC handling? I had picked out some Panasonic E series metalized polyester caps at 2.2 mfd and 400v for all three. I didn't see any orange drops in the catalog. Should I use something else? I had bought a spare AK chassis for parts and it had the main power transformer melted down (tar all under the chassis) but the filter capacitor can's wiring did not seem to have overheated while the filter choke can's wiring had. I never heard of a shorted choke doing this sort of thing. I am going to add a fuse near the power switch, should I try to fuse anything else? Enlighten me please, it's been a -long-time since tech school at Keesler.

Thanks and 73 Gary gpewitt@execpc.com

-----  
Name: Gary Pewitt N9ZSV/KT  
6120 W. Calumet Rd. Apt 204  
Milwaukee, WI 53223  
414 355 8147 Home 414 297 4307 Work  
E-mail: gpewitt@execpc.com  
Date: 01/01/99  
Time: 12:35:54

-----  
-----  
Message-Id: <199901011853.KAA22150@mail-gw6.pacbell.net>  
From: "Arden Allen" <gumbear@pacbell.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: 6106, 5Y3WGTB Tubes  
Date: Fri, 1 Jan 1999 10:53:34 -0800  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hi Dave;

> Also, does anyone know about the 5Y3WGTB?  
> It looks just like a 5AR4 with a heater-cathode

> instead of the standard 5Y3's directly heated cathode.  
> Does this tube just have the cathode-heater jumpered?  
> I understand that this tube is specific to the TV-7.

I've run into that Bendix tube before, if I remember it looks like a super-ruggedized type. Probabaly for critical avionics or what have you. Didn't have any data so passed them on.

The obvious advantage of the 5Y3WGTB/6087 is a less fragile filament with the added advantage of slower warm-up time although I don't think warm-up time was of much concern. You would also think that the plate resistance would be lower but it ain't (much.....tube engineering is a black art to me). The cathode is connected internally to the filament so that the is tube interchangeable. There are also conventional filament "W" types.....thick micas and spring loaded filaments. My TV-7 came with one of those. Just to calibrate a few grey cells, do you remember the first Lockheed Electras that had a propensity to crash when their wingtips would come off due to \*high frequency vibration\*? I don't think tubes like even "good vibrations". Happy New Year!

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

-----  
Date: Fri, 1 Jan 1999 13:06:08 -0600 (CST)  
From: Bob Roehrig <broehrig@admin.aurora.edu>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Additional Ranger questions  
Message-ID: <Pine.ULT.3.96.990101125933.25656B-100000@admin.aurora.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

While adding PTT to my Ranger, A thought occured to me: Why not remove the smaller filter choke under the chassis (The LV filter - LP2) and reconnect the larger one in the center tap of the power xfmr so it filters both HV and LV? (Negative lead filtering). The current rating of the choke is not given in the parts list but it looks like a husky job and I would think it would handle the overall current. Has anyone had a choke failure in a Ranger? One reason for doing this is that I would rather put the PTT relay where the small choke is rather than stick it above the chassis.

"Nostalgia is a thing of the past"  
E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI  
CIS: Data / Telecom Aurora University, Aurora, IL  
630-844-4898 Fax 630-844-5530

-----  
Date: Fri, 1 Jan 1999 14:25:15 -0500

Message-Id: <199901011925.0AA15711@brill.shiva.com>  
From: John Shriver <jas@shiva.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: 6106, 5Y3WGTB Tubes

Looked at Tube Lore. 6106 is a ruggedized 5Y3, with cathode. Lower filament amps, slightly higher PIV.

It also notes the 5Y3WGTB to be a more tightly characterized 5Y3WGTA. Probably why the TV-7 calls for it...

-----  
Message-Id: <199901011949.LAA03779@mail-gw6.pacbell.net>  
From: "Arden Allen" <gumbear@pacbell.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Filter cap selection  
Date: Fri, 1 Jan 1999 11:38:48 -0800  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hi Gary;

>.....Do the power supply caps  
> (2.0, 2.3, and 2.3 mfd) need to be selected for AC handling?  
> I had picked out some Panasonic E series metalized polyester  
> caps at 2.2 mfd and 400v for all three. ....

I don't think you have a problem with what you've chosen. The currents the caps will have to withstand are relatively low because you are probably dealing with a choke input filter. A film/foil construction (as opposed to metalized film) capacitor would be a more conservative choice especially for a capacitor input filter. Dielectric loss is not a problem at 60/120 Hz so you don't need a polypropylene dielectric type. Breadboard your filter outside of the chassis and see if there is any warmth to the capacitors after running for a few hours to be sure. Happy New Year!

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

-----  
Date: Fri, 1 Jan 1999 12:29:54 -0800 (PST)  
From: John Kolb <jlkolb@cts.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
cc: BA <boatanchors@sco.ThePorch.com>, glowbugs@piobaire.mines.uidaho.edu  
Subject: Re: GB> transformer (etc.) winding question  
Message-ID: <Pine.SCO.3.91.990101122415.6982B-100000@sd.cts.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 31 Dec 1998, Roberta J. Barmore wrote:

> When winding a multiple-layer power or AF transformer or high-value  
> inductor, when you come to the end of one layer, do you wind back in the  
> same handness but opposite direction (in the manner that thread is wound  
> on a spool), or do you go back to the same end the preceding layer started  
> on and start over in the \*same\* direction?  
> "Return and restart" seems more sensible at first glance, as the  
> potential difference between adjacent points of successive windings is  
> less.

I'm not a transformer engineer, but tore up a number of them as a teenager to get the wire (heck, I even made small screwdrivers by filing nails into shape). I don't remember any return and restart, and as a practical matter, seems the transformer would get pretty lumpy with a number of places where the wire would go straight from one side to the other.

Happy Holidays to all the BA and Glowbug people.

John KK6IL

-----  
From: Jderm740@aol.com  
Message-ID: <f24b0113.368d357f@aol.com>  
Date: Fri, 1 Jan 1999 15:52:15 EST  
To: Old Tube Radios <boatanchors@theporch.com>  
Mime-Version: 1.0  
Subject: Two Questions  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Hi

Does anyone know what tube manual covers Compactrons?

Does anyone know where I can get one?

I pcked up a box ox tubes, sight unseen, and some of these where in there.

My latest RCA manual is RC-24 and my Sylvania is 1959 plus supplements.

No info. Even my old catalogs don't give a clue.

Jack

-----  
From: Kargokult@aol.com  
Message-ID: <fc1eea1e.368d3e33@aol.com>  
Date: Fri, 1 Jan 1999 16:29:23 EST  
To: Old Tube Radios <boatanchors@theporch.com>  
Mime-Version: 1.0

Subject: Re: BC-311 found at FAIR RADIO  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

In a message dated 98-12-31 18:45:12 EST, william@ans.net writes:

> I was just there - a quick stop on my way back to New York from  
> St. Louis and Chicago.

> I did purchase a few interesting things -  
>  
> BC-311-B. Wotta find! On the top shelf is a box loaded with BC-311-B  
> control boxes - apparently the 1937 version of the BC-434 box, used for  
> controlling the SCR-269 aircraft ADF set, found in many planes of the era.  
> It is unfortunate that the BC-311-Bs all have missing meters and backs,  
> but when it comes to pre-1940 military stuff, one can not be picky. A back  
> of a BC-434 ought to fit.

---more likely this is an accouterment of the BC-310 rdf receiver.  
unfortunately i cannot get at the manual right now but this close a BC-  
number and the type of item would suggest this. BC-310 is not ADF,  
is manual RDF 150 - 1500 kc/s in 3 bands, local tuning, as compared  
to remote-only tuning on the later sets. this is not a real common radio.  
and, it seems to weigh quite a bit, more than the MN-26's and BC-348  
for sure.

BTW, anyone ever looked at the MN-28 manual? there was a very  
interesting design idea, basically it's some kind of audio BFO, or  
audio osc. triggered by the received carrier. (again, i can't reference  
the manual at the moment of need....) this idea probably worked  
smilingly well in the screen room, but in the real world  
ignition noise, random snap crackle & pows of the aircraft  
environment likely continually triggered the cw audio, rendering  
it from aggravating to useless for cw use. sure enough, the  
manual includes an update on how to install a conventional rf-  
oscillator BFO. what was going thru the designer's mind when  
he hatched that crazy idea?

(MN28 = Bendix ADF, automatic direction finder receiver on the  
LW and Broadcast bands. a postwar continuation of Bendix's  
WW2 era MN-26 df receivers)  
hue

-----  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "E. V. Sandy Blaize" <ebjr@worldnet.att.net>  
Subject: Re: Two Questions



Message-Id: <19990101213401.GKTQ13187@LOCALNAME>

Date: Fri, 1 Jan 1999 21:34:01 +0000

At 03:52 PM 1/1/99 EST, you wrote:

>Hi

>Does anyone know what tube manual covers Compactrons?

>Does anyone know where I can get one?

>I pcked up a box ox tubes, sight unseen, and some of these where in there.

>My latest RCA manual is RC-24 and my Sylvania is 1959 plus supplements.

>No info. Even my old catalogs don't give a clue.

>

>Jack

>

>That's an easy one to answer! AES publishes a reprint of the GE tube manual, and it's full of Compactrons! GE was the originator of the Compactron format. I wouldn't leave home without my GE tube manual!

73,

Sandy W5TVW

-----  
From: Kargokult@aol.com

Message-ID: <431243be.368d47f4@aol.com>

Date: Fri, 1 Jan 1999 17:11:00 EST

To: Old Tube Radios <boatanchors@theporch.com>

Mime-Version: 1.0

Subject: re: unk Mil connectors

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

anyone know what these are?

U-229/U ( 5 pin )

U-77 / U ( with FRANK under the number 10 pin )

tnx, hue

-----  
From: Kargokult@aol.com

Message-ID: <9da29998.368d4aaf@aol.com>

Date: Fri, 1 Jan 1999 17:22:39 EST

To: Old Tube Radios <boatanchors@theporch.com>

Mime-Version: 1.0

Subject: Re: Another strange key-- and SKN

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

In a message dated 99-01-01 03:32:27 EST,

kjlopez@earthlink.net writes:

>  
> > Heard one guy telling another he was using  
> > a toilet seat with contacts as his straight key, a first in my almost 40  
> > years as an amateur.

---seems that the keying speed might be a bit slow with this.  
at work when i'm on hold on the phone, i sometimes practice sending  
numerals, using a desk stapler. the 'contact spacing' is of course,  
fixed, but it's about like many positive-action military keys, i.e. okay  
for up to about 15 wpm and the spacing is wide enuff there's no  
false-keying. (of course, this isn't pressing it down hard enuff to  
staple, which drastically lowers the wpm.) the thing definitely  
has 40s "streamline look", and as the Paper Age winds down,  
this might, with some more black paint and some contacts, make  
a real retro, Streamline Period conversion project.  
hue

-----  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: boatanchors@theporch.com  
Subject: Re: Dating mic connectors (probably illegal!)  
Message-ID: <19990101.183517.9519.2.KE8RN@juno.com>  
From: ke8rn@juno.com (GEORGE J MISIC)  
Date: Fri, 01 Jan 1999 17:40:14 EST

.  
> A company called Neutrik makes the \*best\* XLRs. (IMO) They have a  
kind  
>of "collet" like a drill chuck to grab the wire, and will accept a wide  
>range of wire sizes. Very rugged, often with gold-plated contacts,  
>etc.  
>

Bobbi is so right here; these connectors are beautiful! Farnell has them  
for sale in the US [I think they are made in the UK].

George KE8RN

-----  
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or call Juno at (800) 654-JUNO [654-5866]

-----  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: boatanchors@theporch.com  
Subject: HAMMARLUND HX-50

Message-ID: <19990101.183517.9519.0.KE8RN@juno.com>  
From: ke8rn@juno.com (GEORGE J MISIC)  
Date: Fri, 01 Jan 1999 17:40:14 EST

Just a quick note about the HX-50 and HX-500: I saw mention that the HX-50 predated the HX-500; however, I recalled it being the other way around. I've confirmed this via the HX-500 being advertized in the 1961 ARRL Handbook, and the HX-50 in the 1964 edition. This also checks with magazine ads from the 1960s. Apparently both were simultenously sold [or at least offered for sale] for a while. 73 and Happy New Year.

George KE8RN

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or call Juno at (800) 654-JUNO [654-5866]

-----  
Message-ID: <368D506E.4635@ix.netcom.com>  
Date: Fri, 01 Jan 1999 16:47:10 -0600  
From: David Stinson <arc5@ix.netcom.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: FS: 300 Tubes, 16 cents each.  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

For Sale:

Around 300 metal tubes.  
Most are six volt radio types.  
Some twelve volters.  
No "odd-ball" junk. All are unboxed and untested, but  
a random sample tests at 75%+ good. Asking \$49 plus  
shipping from 78728. That's about 16 cents/tube.

Best for 1999,

73 DE Dave Stinson AB5S  
arc5@ix.netcom.com

-----  
Message-Id: <3.0.5.32.19990101144114.01b48210@earthlink.net>  
Date: Fri, 01 Jan 1999 14:41:14 -0800  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Jim Hill <jshillw6ivw@earthlink.net>  
Subject: Mail Order Business

Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I'm trying to remember the name and site address of a mail order (and probably walk-in) business that some say is connected with Radio Shack. It has been mentioned here and in the newsgroups in the past as a source of parts, particularly when a particular part is no longer available at Radio Shack.

Thanks, Jim

-----  
Message-ID: <368D51D2.6EB8@ix.netcom.com>  
Date: Fri, 01 Jan 1999 16:53:06 -0600  
From: David Stinson <arc5@ix.netcom.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: boatanchors@theporch.com  
Subject: Re: 6106, 5Y3WGTB Tubes  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I accidentally erased the file with all the answers folks sent, so please let me thank you all for the help.  
(Don't kill me, Jack! ;-)

73 DE Dave Stinson AB5S  
arc5@ix.netcom.com

-----  
Date: Fri, 1 Jan 1999 18:50:06 -0500 (EST)  
Message-Id: <199901012350.SAA05755@smtp13.bellglobal.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Andre Guibert <aguibert@sympatico.ca>  
Subject: Re: BC-311 found at FAIR RADIO

>Date: Fri, 01 Jan 1999 16:29:23 -0500 (EST)  
>(MN28 = Bendix ADF, automatic direction finder receiver on the  
>LW and Broadcast bands. a postwar continuation of Bendix's  
>WW2 era MN-26 df receivers)  
>hue  
>

Bonsoir Hue and All.

Not familiar with the MN28, but we had lots of MN31,  
ADF in use after WW2 in the RCAF and civil A/C.  
Have a complete unit, football antenna included.

Wonder why the -28 was kept when the -31 seems to have  
been better?

The RA10DB DF was done away at war's end.

Andre

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End of BOATANCHORS Digest 2361  
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